



Docket No. 242330US2S/shb

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Kentaro NAKAJIMA

SERIAL NO: 10/653,976

GAU:

FILED: September 4, 2003

EXAMINER:

FOR: MAGNETIC MEMORY DEVICE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

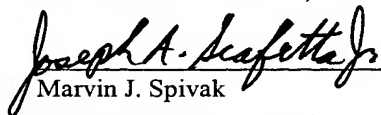
- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.


Marvin J. Spivak

Registration No. 24,913

Joseph A. Scafetta, Jr.
Registration No. 26,803

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

DOCKET NO.: 242330US2S/shb



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Kentaro NAKAJIMA

SERIAL NO: 10/653,976

GROUP:

FILED: September 4, 2003

EXAMINER:

FOR: MAGNETIC MEMORY DEVICE

STATEMENT OF RELEVANCY

Reference AA (US 6,429,044) on Form 1449:

Figure 2 of this document is similar to Figure 5 of the present application. However, the function explained in this document is quite different from our invention.

Reference AB (US 5,939,772) on Form 1449:

This document discloses a shield package for external magnetic field. However, the function and the structure are quite different from our invention.



SHEET 1 OF 1

| | | | | | | | |
|--|----|---|------------|----------------------------------|-----------------------|--|-------------------------------|
| Form PTO 1449 (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DOCKET NO. 242330US2S | | SERIAL NO. 10/653,976 | |
| LIST OF REFERENCES CITED BY APPLICANT | | | | APPLICANT Kentaro NAKAJIMA | | | |
| | | | | FILING DATE September 4, 2003 | | GROUP | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
| | AA | 6,429,044 | 08/06/2002 | M. TUTTLE | | | |
| | AB | 5,939,772 | 08/17/1999 | A. T. HURST, et al. | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |
| | AL | | | | | | |
| | AM | | | | | | |
| | AN | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION YES NO | | |
| | AO | | | | | | |
| | AP | | | | | | |
| | AQ | | | | | | |
| | AR | | | | | | |
| | AS | | | | | | |
| | AT | | | | | | |
| | AU | | | | | | |
| | AV | | | | | | |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | AW | R. SCHEUERLEIN, et al., IEEE International Solid-State Circuits Conference, ISSCC 2000 / Session 7/ TD: Emerging Memory & Device Technologies / Paper 7.2, pages 128-129, "TA 7.2 A 10ns READ AND WRITE NON-VOLATILE MEMORY ARRAY USING A MAGNETIC TUNNEL JUNCTION AND FET SWITCH IN EACH CELL", 2000 | | | | | |
| | AX | M. SATO, et al., IEEE Transactions on Magnetics, vol. 33, no. 5, pages 3553-3555, "SPIN-VALVE-LIKE PROPERTIES AND ANNEALING EFFECT IN FERROMAGNETIC TUNNEL JUNCTIONS", September 1997 | | | | | |
| | AY | M. SATO, et al., Jpn. J. Appl. Phys, vol. 36, part 2, no. 2B, pages L200-L201, "SPIN-VALVE-LIKE PROPERTIES OF FERROMAGNETIC TUNNEL JUNCTIONS", February 15, 1997 | | | | | |
| | AZ | K. INOMATA, et al., Jpn. J. Appl. Phys, vol. 36, part 2, no. 10B, pages L 1380-L 1383, "SPIN-DEPENDENT TUNNELING BETWEEN A SOFT FERROMAGNETIC LAYER AND HARD MAGNETIC NANOSIZE PARTICLES", October 15, 1997 | | | | <input type="checkbox"/> Additional References sheet(s) attached | |
| Examiner | | | | | Date Considered | | |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |